



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1710-1755 MHz / 2110-2155 MHz Cavity Duplexer / Diplexer

**Part Number: AE1732-2132DB5429-2.2-5F**



| <u>Characteristics</u>           | <u>Band 1</u> | <u>Band 2</u> |
|----------------------------------|---------------|---------------|
| <b>Passband:</b>                 | 1710-1755 MHz | 2110-2155 MHz |
| <b>Bandwidth:</b>                | 45 MHz        | 45 MHz        |
| <b>Passband Return Loss:</b>     | 15 dB Min     | 15 dB Min     |
| <b>Passband Insertion Loss:</b>  | 1.8 dB Max    | 1.8 dB Max    |
| <b>Passband Ripple:</b>          | 0.2 dB        | 0.2 dB        |
| <b>Input / Output Impedance:</b> | 50 Ohms       | 50 Ohms       |
| <b>Isolation:</b>                | 60 dB Min     | 60 dB Min     |
| <b>Power Handling:</b>           | 10 Watts      | 10 Watts      |

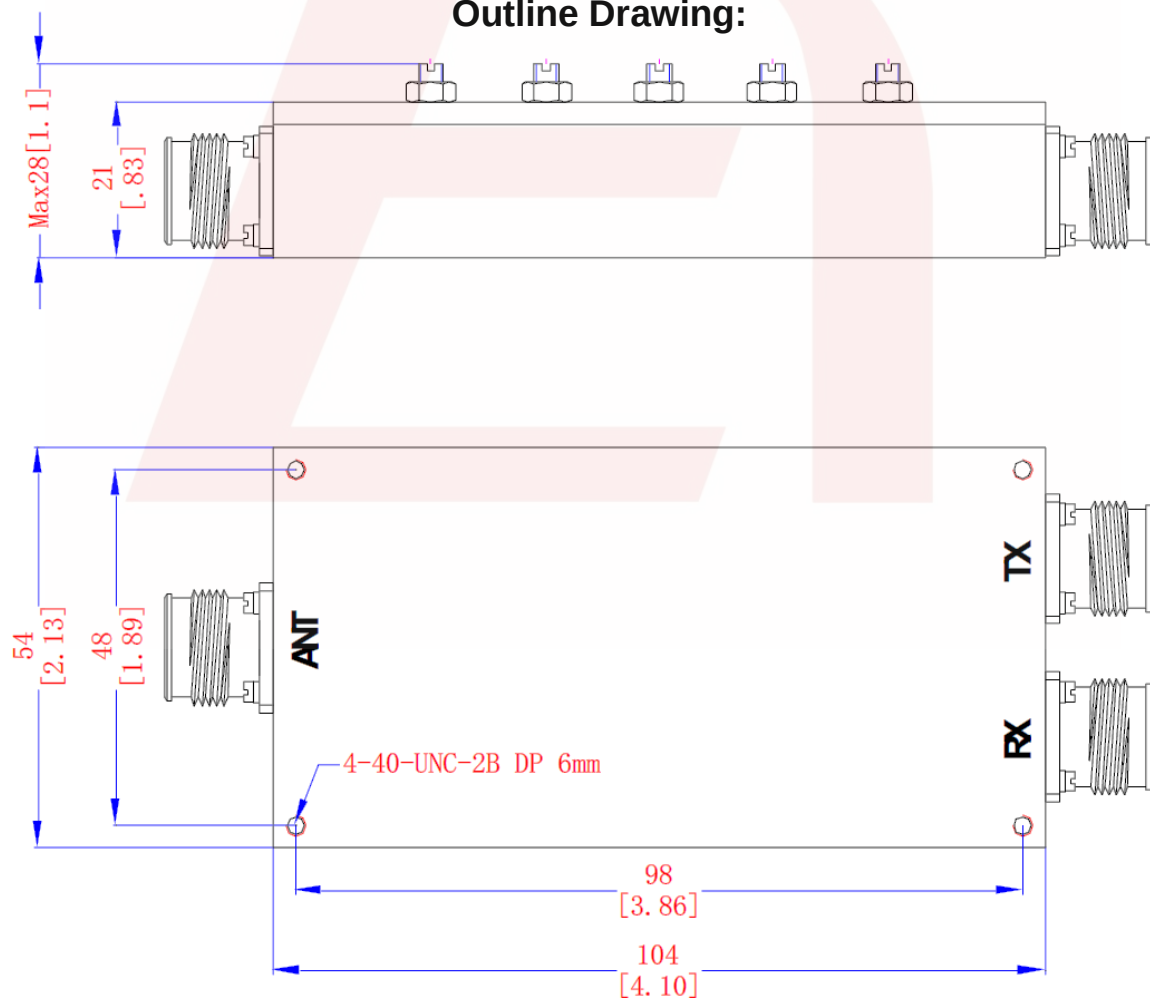
## Mechanical

|                         |                        |
|-------------------------|------------------------|
| <b>Mounting Method:</b> | Thru Hole              |
| <b>Connector Type:</b>  | 2.2-5.0 Female         |
| <b>Dimensions:</b>      | 4.10 x 2.13 x 1.11 in. |

## Environmental

|                               |                   |
|-------------------------------|-------------------|
| <b>Operating Temperature:</b> | -20 to +85 deg.C  |
| <b>Storage Temperature:</b>   | -50 to +90 deg.C  |
| <b>Shock:</b>                 | 20 G. 11ms        |
| <b>Vibration:</b>             | 20 G. 5 to 200 Hz |

## Outline Drawing:



DS-DB5429-2.2-5F-05152024-Rev0